

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 29953-170903

First Inventor James DUNMAN

Title MODIFIED INJECTION TAKEOUT TIME

Express Mail Label No. \_\_\_\_\_

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 10]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Pages 1]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76
- 6a.  Priority is claimed under the provisions of 35 U.S.C. § 119

Appln No. \_\_\_\_\_ filed in \_\_\_\_\_ on \_\_\_\_\_

Appln No. \_\_\_\_\_ filed in \_\_\_\_\_ on \_\_\_\_\_

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. § 3.73(b) Statement  Power of Attorney (when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ / \_\_\_\_\_  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

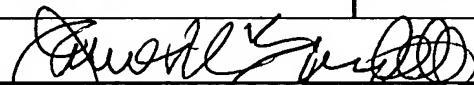
**20. CORRESPONDENCE ADDRESS** Customer Number or Bar Code Label**\*26694\***

26694

PATENT TRADEMARK OFFICE

or  Correspondence address below

|         |                |           |              |          |              |
|---------|----------------|-----------|--------------|----------|--------------|
| Name    | VENABLE        |           |              |          |              |
| Address | P.O. Box 34385 |           |              |          |              |
| City    | Washington     | State     | D.C.         | Zip Code | 20043-9998   |
| Country | U.S.A.         | Telephone | 202-962-4800 | Fax      | 202-962-8300 |

|                   |   |                                   |                |
|-------------------|---|-----------------------------------|----------------|
| Name (Print/Type) | James R. Burdett  | Registration No. (Attorney/Agent) | 31,594         |
| Signature         |  |                                   | Date 8/22/2003 |

15535 U.S.P.T.O.  
10/64564  
08/22/03



13291 U.S. PTO  
08/22/03

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 768)

Complete if Known

|                      |                 |
|----------------------|-----------------|
| Application Number   |                 |
| Filing Date          | August 22, 2003 |
| First Named Inventor | James DUNMAN    |
| Examiner Name        | TBA             |
| Group / Art Unit     | TBA             |
| Attorney Docket No.  | 29953-170903    |

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money  Other  None  
Order
 Deposit Account:
 Deposit  
Account  
Number  
Deposit  
Account  
Name

22-0261

VENABLE ATTORNEYS AT LAW

The Commissioner is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) under 1.16 or 1.17 during pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

|              |              |
|--------------|--------------|
| Large Entity | Small Entity |
|--------------|--------------|

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description        | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 1001     | 750      | 2001     | 375      | Utility filing fee     | 750      |
| 1002     | 330      | 2002     | 165      | Design filing fee      |          |
| 1003     | 520      | 2003     | 260      | Plant filing fee       |          |
| 1004     | 750      | 2004     | 375      | Reissue filing fee     |          |
| 1005     | 160      | 2005     | 80       | Provisional filing fee |          |

SUBTOTAL (1)

(\$ 750)

## 2. EXTRA CLAIM FEES

|                    |    | Extra Claims | Fee from below | Fee Paid  |
|--------------------|----|--------------|----------------|-----------|
| Total Claims       | 21 | -20 **       | = 1            | X 18 = 18 |
| Independent Claims | 1  | -3 **        | = 0            | X 0 = 0   |
| Multiple Dependent |    |              | X 0 = 0        |           |

|              |              |
|--------------|--------------|
| Large Entity | Small Entity |
|--------------|--------------|

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  |
|----------|----------|----------|----------|--|
| 1202     | 18       | 2202     | 9        | Claims in excess of 20                                     |
| 1201     | 84       | 2201     | 42       | Independent claims in excess of 3                          |
| 1203     | 280      | 2203     | 140      | Multiple dependent claim, if not paid                      |
| 1204     | 84       | 2204     | 42       | ** Reissue independent claims over original patent         |
| 1205     | 18       | 2205     | 9        | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$ 18)

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

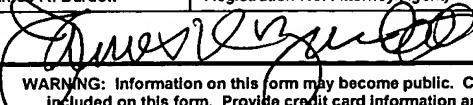
| Large Entity              | Small Entity |
|---------------------------|--------------|
| Fee Code                  | Fee (\$)     |
| 1051                      | 130          |
| 1052                      | 50           |
| 1053                      | 130          |
| 1812                      | 2,520        |
| 1804                      | 920*         |
| 1805                      | 1,840*       |
| 1251                      | 110          |
| 1252                      | 410          |
| 1253                      | 930          |
| 1254                      | 1,450        |
| 1255                      | 1,970        |
| 1401                      | 320          |
| 1402                      | 320          |
| 1403                      | 280          |
| 1451                      | 1,510        |
| 1452                      | 110          |
| 1453                      | 1,300        |
| 1501                      | 1,300        |
| 1502                      | 470          |
| 1503                      | 630          |
| 1460                      | 130          |
| 1807                      | 50           |
| 1806                      | 180          |
| 8021                      | 40           |
| 1809                      | 750          |
| 1810                      | 750          |
| 1801                      | 750          |
| 1802                      | 900          |
| Other fee (specify) _____ |              |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0)

\*\*or number previously paid, if greater; For Reissues, see above

| SUBMITTED BY      |   |                                  |        |           |              | Complete (if applicable) |  |
|-------------------|---|----------------------------------|--------|-----------|--------------|--------------------------|--|
| Name (Print/Type) | James R. Burdett  | Registration No. Attorney/Agent) | 31,594 | Telephone | 202-962-4800 |                          |  |
| Signature         |  |                                  |        | Date      | 8/22/2003    |                          |  |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  
SEND TO: Commissioner for Patents, Washington, DC 20231.

VENABLE  
ATTORNEYS AT LAW